



cross talk

November 1974 NEWS BULLETIN OF TRW AMATEUR RADIO CLUB



Sponsored by Systems Employee Association



WAC
WAS
DXCC
FD'71
FD'73

Nominating Committee - 1975 Report

The nominating committee to recommend candidates for the 1975 TRW/ARC Executive Committee has completed its task and presented the names to the general membership meeting held Wednesday, November 20th, 1974. No other candidates were presented, and so the slate proposed is as follows:

President	W6RAY	Frank Cartier
Vice-Pres	W6WRB	Joel Wineman
Secretary	W6OIC	Oliver Saunders
Treasurer	WN6TXV	Susan Kennedy
Activity Mgr	WB6IDJ	Dave Gilmore
Trustee	W6MYC	Carl Rothrock

The task set forth for the nominating committee was not an easy one. There is a lot of talent in the club, unfortunately the press of other business and community needs prevented many qualified members from accepting the "call" to service.

One of the goals of the committee was to find "new blood" to participate as club officers during the coming year, and hence to bring in new ideas and unique talents. Those listed above have accepted the nomination, and are looking forward to serving the needs of the club. Support them!!!!

And Now For The Bad News....Field Day 1974

In case you haven't heard, TRW/ARC was not Numero Uno in the June '74 Field Day Contest. All the details of the contest are in the November QST, for those who wish to analyze the statistics of the event. Suffice to say W6FQ/6(+WN6BZA) came in fourth place, out of a total of 65 participants in Class 5A.

November General Meeting Held Week Early

In case you didn't get the word, the club meeting was a week early due to the coming Thanksgiving Day Holidays. Our thanks to Ray Hodges, W6AQP, for a very informative program on the Atlas-180 SSB Transceiver, the all solid-state low band rig.

TRW/ARC Saturday Morning Nets 10AM LT

Primary	7.280 MHz
Secondary	3.980 MHz
Novice	7.140 MHz
Simplex*	147.510 MHz

* Also join the gang, Tuesdays 7:30PM

November HamFeast.....the best yet!!!

The TRW/ARC November Annual HamFeast and Awards Dinner has been adjudged "the best yet" by Club President, Frank Halligan. The Dinner was held Saturday Evening, November 9th, at the Princess Louise, Redondo Beach.

The featured speaker of the evening and honored guest was W6HS, Dr. Mert Moser, world traveler and expert on the history of the Pitcairn Island.

Others present included Mert's wife and guest, W6RAY & YF, K6BO & YF, W6NHX & YF, WB6IDJ/WA6SKM/WN6CAG, W6RLN & YF, WA6QET & YF, W6EKK & YF, WB6TDE/WN6TXV, WN6QKM & YF, W6YCY & YF, WA6RJE & YF, W6MYC & YF, WA6JHD & YF, K6YQ & YF, W6UMC & YF, WB6UJX/WB6FPS, K6SGQ & YL, WN6HEU w/Dad & Mom, K6OIT & YF.

The evening activities began at 7PM and lasted until midnight. Highlights (see p.3)



W6HS

HamFeast '74

W6RAY

The President's Column

Credits: We would like to extend our thanks to Doug, W6NHX, for his fine October Meeting presentation on "Off-Road Racing Communications". Already they are lined up at his QTH to have the same presented to other clubs..he says he'll go anywhere, as long as the fare is paid (round-trip, that is!!)

Also our very heartfelt appreciation and thanks go to Mert Moser, W6HS, for letting many of TRW/ARC's club members and guests spend an evening with him, and the Pitcairn story.

And....the regular November monthend meeting is now history, and we are indebted to Ray Hodges, WA6AQP, for presenting a very FB information session on the new Atlas 180 rig.

November 16-17 Rally Success. Thanks again go to Doug, W6NHX, and that stalwart group of hams (WA6JHD, WA6FLL, WA6FLL, and WB6UWW), plus the Barstow Amateur Radio Club who all supported the 24 Hour "desert classic". The key to communications to tie in all the communication points was the Table Mountain Repeater (WR6AFX), plus a goodly sprinkling of 2M-FM rigs. All reports indicate amateur radio came thru again.

24 cars started in the Rally, but only 8 finished the grueling run. WA6JHD reports that Car 14 gave everyone a bit of a scare at 3AM in the morning when it failed to pass the Fawnskin Checkpoint, but Car 14 later turned up and hadn't realized he was missed.

Novice Classes Forming. Thanks to Chuck, WA6BDL, TRW/ARC's Novice class is now forming (see application in this issue). Chuck still needs competent code and theory instructors to help make the course a success. Call him today, if you can lend help.

Al Lee, W6KQI reports he'll soon have his VK call. Their club call is VK5WC. In the meanwhile it is summer holiday season "down under", and he and Jan are taking a two week river boat trip!!

The President's Column (Cont'd)

Will The Original W6RLN Please Stand Up. I had a most pleasant surprise earlier this month that I would like to relate briefly in this column. In the mails came an envelope with two QSL cards in it. A quick check of the return address indicated it was from K.C. Jones, K6PE, of Huntington Beach.

Knowing that I had not worked the station, my curiosity was soon satisfied when I read the following on the reverse of a QSL card: "Hi OM, I see you have been issued my old call.. W6RLN I had for 32 years. Am now K6PE since I got EXTRA class. See U on air some time..."

I think what shook me about as badly as receiving the W6RLN QSL card, was my recollection of a of a conversation I had with W6MYC on Aug. 21st. Carl had seen my sign the W6TRW log book in the Shack and said to me: "RLN???...oh, I know that call, it belonged to KC Jones.... ahhh, I think he works for Douglas....yes, he just received his 1X2 call.....he's an old buddy of mine!!" (And as WA6RAY observed so aptly later....."I do believe Rocky does know every original issue in W6-land!!")

In Appreciation. On November 9th, I was bestowed the honor of the "Wet Noodle Award"...which is given to all retiring presidents of TRW/ARC. I would like to take this opportunity to thank all of the TRW/ARC members for their support and the honor of having served the club as prez.

73's, Frank, W6RLN

LameDuck Prez W6RLN with "Wet Noodle Award"



HamFeast Continued

of the evening included a film of the Pitcairn Island, and some of the hand-made products were displayed (note photo on page 1). Also presented during the evening by Prez W6RLN, were the Certificates of Recognition to club members for their support: For training WA6RAY, WA3FVG, W6KQI; For membership chairman and QSL/Mail Services WA6RJF and WN6QKM (Jack Koho); and to W6MYC for long serving as club trustee and getting our new station call this year of W6TRW.

Paul Weisz (K6YQ and ExPrez) presented Pres Frank Halligan (W6RLN) with the coveted "wet noodle" (see page 2) award for having served as TRW/ARC President.

Door prizes were won by four lucky participants to top off the evening events. (Editor's Note: Connie Gilmore dropped me a note expressing her pleasure with her dinner for two at Rubens, and says: "Dave and I enjoyed our ill gotten gainsthe atmosphere was wonderful, the food excellent, and the service superb. We recommend the restaurant to all our ham friends, and look forward to having many more delicious meals there.")

WA6SKM, looking pleased with prize.

HamFeast Continued

Below, and looking very pleased, is D'Jeanne Baker, YL escorted by Bob Hammond, K6SGQ, who is one of TRW/ARC's newest members. All that happiness you see is what happens when the door prize is two free roundtrip tickets on PSA to San Francisco. Other winners of door prizes included Sue McGrew (dinner for two at the Velvet Turtle) and Bill Daley's YF (a bottle of Cold Duck).



Below, and among the 43 members and guests present for the annual TRW/ARC HamFeast are Stan Johnson (W6EKK) and YF, Alice, enjoying themselves. (Editor's Note: it was their first time to a TRW/ARC November Dinner Meeting).



Secretary's Report

by Joel R. Wineman, WA6WRB

The TRW/ARC Executive Committee Meeting convened at 1210 on November 6th, 1974, in E1-3068. Present were: Freeman, Gilmore, Halligan, Kennedy, Newhoffer, Saunders, Thornley, Veck and Wineman.

Announcements: The TRW/ARC came in fourth in the 1974 Field Day Contest for Class 5A.

Old Business: Freeman lamented that there are not sufficient members helping to sort QSL cards for the Bureau. As an experiment, Freeman will schedule a specific day each month to sort the cards in R5-1090A.

New Business: Veck announced that the November General Meeting will feature a demonstration of ham gear by Ray Hodges, W6AQP, of Atlas Radio.

Halligan presented the slate of nominees for the 1975 term of office, on behalf of the Nominating Committee. Their names will be presented at the November General Meeting, and the December CrossTalk will have the ballots for the vote of the membership.

Halligan discussed the possibility of TRW Systems sponsoring the club as a life member in AMSAT (for \$100). Doug Heydon is presently working the details.

Kennedy announced that there are presently 35 paid members attending the November HamFeast. In addition to the dinner and Mert Moser's presentation, there are three fabulous door prizes -- two round trip tickets to San Francisco on PSA, Dinner-for-two at Reubens, and a Luncheon-for-two at the Velvet Turtle. And as a consolation prize, the CrossTalk Editor has thrown in a bottle of Cold Duck (the one from last Field Day that was never won!!).

Freeman stated that the TRW Rally Club Road Race will be supported by the TRW/ARC on November 16-17, in the Mojave Desert.

The Meeting was adjourned at 1300.

Wanted: Heath SB401, SSB Exciter, please contact Frank Cartier, 535-1188.

*MURPHY's LAW, as it applies to electronics
(lifted from 73 Mag)*

Wanted: Members to help sort QSL Cards for the TRW Bureau. Next Sort: Monday, December 2nd, 12 Noon, R5-1090A. Call Doug Freeman in advance, so he can plan, on X53126, today!!!

1. Any wire cut to length will be too short
2. Identical units tested under identical conditions will not be identical in the field

Wanted: Motorola, GE, or RCA, converted to 2 Meters/or otherwise. Call Art, WA6PQY, 320-6023, or on '51!

3. Availability of a component is inversely proportional to the need for that component

For Sale: Swan 500C, w/speaker and AC & DC Power Supplies, \$400. And also National NXC5, w/speaker and AC Supply, \$250. Call Mas Fujimoto, W6CZL at TRW on 53-62722, or home: 213-927-7216.

4. If you need components, you will be able to get n-1 parts

5. A dropped tool will land where it can do the most damage (also known as the law of selective gravitation)

6. Interchangeable parts won't.

CONVENTION REPORTBy ED THORNLEY, WA6JHD

The Southwestern Division of the ARRL held its 1974 convention in San Diego November 1 through 3. Judy and I arrived early in the afternoon of the 1st, checked into the Headquarters hotel, Town and Country in Mission Valley. We met Fred Reed W6UMC and his XYL Olive who had come down the night before.

We found our Division Director John Griggs, W6KW enjoying the weather under a bright sun and had a good eyeball QSO with him. That was our first chance to get acquainted with John, even though we've met him a number of times before. We swapped a few "war stories" and talked ham radio. John told us that the 1975 convention is already scheduled for Ventura.

At 1600 hours, the registration booth opened and we picked up our stuff-ID badges, dinner tickets, official program and a group of not-so-lucky door prize tickets. At 1800, the exhibits opened. We toured the 30-odd booths, drooled over the goodies, old and new, and wished that the money tree hadn't died. Nearly everything new is solid-state, and a lot of new gear features LED-type displays.

One of the not-so-new but very interesting displays was a genuine spark transmitter, representing the latest 1920 model. This 1/2 KW rig was actually operated for brief intervals under special dispensation of the FCC. Along with this rig was a collection of early model receivers, both home-brew and factory built. Anybody remember the National SW-3?

We had dinner out and relaxed the rest of Friday, including a little heckling of the piano player in the lounge of the Town and Country.

Saturday morning was the official opening of the convention. A full day of technical talks filled the program. We didn't get to all of them, but want to highlight a couple that we thought were exceptional.

One of these concerned current thinking at FCC and was presented by A. Prose Walker, W4BW who is chief of the Amateur and Citizens Division of the FCC. Prose comes on real straight - some of his comments were a bit disturbing. Do you know that the ranks of licensed amateurs are being depleted at the rate of 350 to 450 a month? Prose is concerned and so should the rest of us. What is the FCC thinking? How about a code-less amateur license? Yes, very serious study is being devoted to a new class of amateur. Prose indicated that they are considering a dual system of amateur licenses - one system retaining most of our present structure starting at Novice and working up through General, Advanced and Extra, for those primarily interested in the HF bands. The second system, emphasizing VHF/UHF would start with a no-code "Communicator" ticket, working up through two more new classes (5-WPM) leading to a superior grade of ticket for the serious VHF/UHF experimenter.

Convention Report (Cont'd)

These are of course only in the early thinking stages, but we gather that Prose and his fellow FCC types are trying to counter the big trend towards "bootleg" CB operations. He said that, while over four million CB rigs have been marketed, they have only issued 900,000 CB licences. Since we all like to talk on the radio, why not make it a bit easier for John Q. Citizen to do it legally, by means of a simple code-less ham ticket. Who knows, with this type of a place to get your feet wet, what it could lead to?

Mr. Walker also touched on a couple of other activities that affect our avocation. A possible new scheme of issuing call signs, and some of the important work that is going on and must be finished before the next general meeting of the International Telecommunications Union. The ITU is that august body that decides who is going to get what part of the spectrum for what purpose. And if you think that we hams have a god-given right to our bands, you had better change your thinking! Prose points out, as he has often said in the past, that if we amateurs can make a good case, we can retain our bands, and maybe even expand them. Much of the international commercial communications is now shifting to cable and satellite, and there will be opportunities to acquire additional spectrum for ham operations - if we can justify it. He strongly suggests that we all support the ARRL in formulating a good plan to go for new space in the spectrum at the next general meeting of the ITU, which is coming up in the late '70s.

Bumped into Bill Dews K6AWO, Frank Cartier WA6RAY, Ed Arn WA3FVG/6 and Walt Ordway WA6JZO who had car-pooled down to San Diego for the day. Later on they carried out Bill's earlier threat to invade our room for 807's. I think we fooled them though, as it was actually W6UMC's room that took the brunt of the invasion. During that session, we all got to check in with the official convention two-meter station KY6SD. I managed to tune my TR-22C up to a full 1000-milliwatt output so we could work clear across the parking lot into the QTH of KY6SD. That "KY" prefix used to be assigned to U.S. hams in Okinawa, but since we gave that island back to its former owners, KY is no longer used.

Late on Saturday afternoon, the ARRL Open Forum was held. This was led by Director Griggs, supported by President Dannals, Lew McCoy W1ICP and Ellen White W1YL of ARRL. John very graciously introduced Ellen as "the only \$ 25 call girl at headquarters". May we remind you that two-letter calls cost \$ 25, just in case anyone was wondering.

President Dannals spoke briefly, but succinctly about the decrease in the ranks of amateur radio. He suggested that if each of us brings a new ham into the hobby, we could double our population. He backs the idea of the new communicator type of license.

Questions and comments were solicited from the floor and our League officials did a good job in responding to them. Questions concerning WESCARS interference, ARRL publications, and League policies were among the subjects reviewed.

Convention Report (Cont'd)

We ran into Wally Linstruth, WA6JPR during our wanderings around the Convention Center. So far, the TRW/ARC was showing good attendance. By the way, the Convention Center is a beautiful facility, an ideal place for a gathering of several thousand people. It is located in the Mission Valley area, close to hotels, entertainment and shopping centers. The YL's and XYL's had plenty of diversion to add to their fun.

Saturday night, the Convention Banquet took place. The dining facilities were excellent and the prime-rib dinner was delicious. They told us that nearly 1100 people partook of the dinner and program.

After the usual recognition of the hard-working convention committee personnell, the speaker of the evening was introduced. Armond Noble, assistant editor of Worldradio News, held his audience enthralled with a message that was inspirational and up-lifting. In a sense, it was a sermon on what amateur radio is really all about, and what it really could be in terms of people-to-people communication. He pointed out, that we hams, with all our sophisticated electronics, beam antennas and operating skills really don't communicate! Is it really communications to say "Hi there old man, the handle here is Joe, we are running a full KW into a pair of 240Z's, with a three-element quad 89 feet up, you are 5/9 here in Cucamonga and please QSL via the bureau, 73".....

.....or, wouldn't it really be communications to find out who he really is, and what does he think, and what is his philosophy, and what is his outlook on life. And isn't it communications to tell him who you really are? How about learning a few words of another language, so that you can greet that DX ham with a few words of his own tongue. Does it all have to be in English?

Armond suggests that we hams are perhaps living in the past. We are still dazzled by fact that "wireless works". Lets move on from that point and use our skills and equipment to really communicate on a people-to-people basis.

Armond received a standing ovation for his talk. That's how he came across. Judy told me later, that if anything could motivate her to become a ham, Armonds message would do it!

The wrap-up of the Banquet was the traditional door prize drawings. As we mentioned earlier, our door prize tickets didn't do us any good, but Ernie Brelsford, K6TZ, our associate member from Santa Barbara found that he had a real winner! He carried home the second prize, a Robot Slow-Scan TV Camera complete with lens and monitor. Nice going Ernie, you may be the first of our membership to go SSTV!

The Sunday morning activities included breakfasts by several groups-QCWA, WESCARS, DX Clubs and a special one for the ladies. We missed the session on girl-watching, but will try to make up for that another time.

Convention Report (Cont'd)

We did have a short eye-ball QSO with "Mert" Moser, W6HS and told him we were all looking forward to his program about Tom Christian, VR6TC and the other descendants of the "Bounty" and their life on Pitcairn Island, at the club Hamfeast on November 9th.

Well, San Diego '74 was great. We had a good time, met a lot of fine people and carried away some positive ideas about making amateur radio more meaningful. We'll be looking forward to the '75 convention in Ventura and hope that many of our fellow club members can be there too.

73....Ed

Treasurer's Report

by Susan Kennedy, WN6TXV

Balance on hand October 10th, 1974 \$290.48

Receipts

Dues (renewals)	\$2.25
Credit Union Divd	4.22
	<u>\$6.47</u>

Expenses

Rig Loan (TRWECU)	\$20.00
-------------------	---------

Balance on hand October 25th, 1974 \$276.95

Final Dues Notice

Now that TRW-ARC has gone to a yearly dues/membership system of renewals, with everyone's dues falling due on October 1st, that following members are reminded for the Last Time that they will be dropped from the membership rolls if they don't come across fast with their \$\$\$!! (If you have just recently paid up your dues, please disregard this notice.)

Leonard Cassady

T. D. Harrison

Mary McCauley

Jim Keating

Please remit to Susan Kennedy, Treasurer, along with an updated member information form (see last month's CrossTalk).

MORE MURPHY'S LAW (as it applies to electronics)

- | | |
|--|--|
| 7. If the first one works, subsequent units will malfunction | 11. A transistor protected by a fast-acting fuse will protect the fuse by blowing first |
| 8. The most delicate component will drop | 12. If an obviously defective component is replaced in a unit with an intermittent fault, the fault will reappear after the unit is buttoned up. |
| 9. If a circuit can't fail.....it will | |
| 10. A self-starting oscillator won't | |

Ham on Air

Los Angeles Herald-Examiner Saturday, November 2, 1974

Pioneer Tells 1915 Start

By RAY MEYERS-W6MLZ

Retired Major General Loren G. Windom-W8GZ, is a pioneer on amateur bands and dates back to 1915, when he first became interested in the art of wireless after looking through a Sears-Roebuck catalogue.

He then obtained a kit that enabled him to contact a fellow amateur living a few blocks away.

His amateur call at the time was "LW," his initials, and he used that call until the start of WW-I when all amateurs were required to cease operation.

After the war Loren went back on the air using the call LW, then 8AOK, 8ZO and 8ZG until he received his present call of W8GZ.

In 1919 he started using a 1/4 kilowatt spark transmitter followed by a full kilowatt. When spark transmitters were outlawed, he went on the air using a UV-201 vacuum tube for making contact by code.

As an amateur, W8GZ has written many articles for the American Radio Relay League's publications "QST" and the "ARRL Hand Book." Today, we often hear some amateur state that he or she is using a "Windom" antenna which he had described in the September, 1929, issue of QST. Another article was published in the July, 1925, issue. In the May, 1964, issue is another article by Loren on antenna indicators that is worth reviewing.

Active in League affairs for many years, he served as director for the old Central Division during the period 1931 to 1935.

Joining the National Guard as a private in 1924, he retired as major general with a mili-

tary record that included serving in WW-II with the Army G-3 section, 37th Infantry Div. and as commander of the 145th Infantry Regiment. He holds the Distinguished Service Cross, Silver Star with Oak Leaf clusters, Legion of Merit with two Oak Leaf clusters, Bronze Star with two Oak Leaf clusters, and a Purple Heart with three Oak Leaf clusters.

A graduate of the College of Law, Ohio State University, in 1929 with a JD degree, he was appointed to the U.S. Attorney General's office, U.S. Dept of Justice, in 1936 where he served until 1959, except for the period when he was called to active duty with the Army.

He was made adjutant general of the Ohio State Guard in 1963 and served until his re-

tirement in 1968. He held the office of regional attorney, Interstate Commerce Commission also from 1963 until 1968. Loren is like the fellow who made the statement after retirement from a number of jobs, that he was looking for one with a future.

A member of the Old Old Timers' Club, known as the Who's Who in Amateur Radio, he is also a member of the Quarter Century Wireless Association with the 50-year endorsement. In two years, he will receive the 60 year seals for both his OOTC and QCWA certificates.

W8GZ is a firm believer that amateur radio is an asset in time of emergency. From 1924 until the start of WW-II Loren served as net control for the Army Amateur Radio Service, 5th Corps, area. AARS is the forerunner of Army MARS.

Station W8GZ was quite active during the tornado-season early this year when the town of Xenia was practically destroyed and other cities in the Dayton area were badly hit.

Pioneer Craft Accelerating as It Nears Jupiter

SAN FRANCISCO (UPI)

—The National Aeronautics and Space Administration (NASA) gives this progress report on Pioneer 2, the spacecraft headed for Jupiter and Saturn: 22,000 m.p.h. and accelerating.

NASA spokesmen predict the unmanned craft will make its closest approach to Jupiter on Dec. 2 and arrive at Saturn in September, 1979.

The acceleration results from Jupiter's gravitational tug. The 570-pound craft will be moving at 106,000 m.p.h. on Dec. 2.

Both at Jupiter and at Saturn, the craft is to radio back to the earth photographs of the planets.

PIONEER QSL's STILL AVAILABLE

TRW's Pioneer Spacecraft will be doing its flyby of Jupiter on December 2nd, of this year. If you don't have your very own set of QSL's with the Pioneer (see sample attached), it is still not too late to fill out the application on page 11 of this issue of the CrossTalk.

Art Bliss, K6TJD, has been doing our club cards for many years now, and you'll agree that the quality of the cards and the overprint is outstanding.

Sorry, but the Pioneer QSL's are available only to TRW/ARC club members.